

On the Vacuum in a Gyro Chamber and the ~~XXXX~~
Problem of the Aerodynamic Resistance of a
Gyro Motor, ~~XXXX~~, by A. G. Bessonov, 16 pp.

RUSSIAN, per, Iz Vyssh Ucheb Zaved MVISSO
SSSR po Razdelu Priborostroyeniye, Vol V,
No 3, 1962, pp 91-98.

JPRS 21014

Sci

Sep 63

~~XXXXXX~~343,750

The Calculation of the Aerodynamic
Resistance of a Gyro-Motor, by
A. G. Beasonov, 13 pp.

RUSSIAN, per; Iz Vysshikh Ucheb Zaved,
Priborostroy, Vol IV, No 4, 1961. 9672406

FTD-IT-61-161

Sci - Phys

180, 272

23 Jan 62

On the Relative Merits of Some Cases
for Gyro-Motor Housings, by A. G. Besobanov,
1961.

RUSSIAN, per, Iz Vyschikh Ucheb Zaved,
Priborostroy, Vol. IV, No 2, 1961, pp 68-74.
0672812

FTD-TT-61-19

Sci - Phys

180.306

24 Jan 62

(NY-5355)

Determining the Aerodynamic Resistance and Friction
in the Axis Bearings of a Gyroscope Motor by a
Method of Coasting in a Vacuum, by A. G. Bessonov,
17 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved
Priborostroyeniye, Vol III, No 1, 1960, pp 61-68.

JPRS 7342

Sci - Engr

137,757

Jan 61

Method of Measurement Described Based on the Use of
Magnetics and Electrical Phenomena. by A. N. ~~XXXXXXXX~~
L. A. Gal'Perin, et al. 20 pp.
RUBININ, M., Sovetskoye Radio, Moscow, 1964, pp 2-27.

1965 2342

Sci-Tech Sci
Mar 64

251,635

Experiments on the Storage of Electrons in a
Synchrotron, by Yu. M. Adz, Ye. G. Besonov, 90
et al, 12 pp.

RUSSIAN, rpt. Experimenty na Elektronina Elektronnyy
v Sinkhrotrone, Moscow, 1964. 312204
AKC-51.46-12-18

54-1170
apr 65

179,432

Rapid Determination of Calcium Oxide in Basic
Open-Hearth Slag, by I. Stadler, I. Bessonov.

RUSSIAN, per, Zavod Lab, Vol VI, 1937.

Brutcher Tr No 590

Scientific - Min/Metals

\$1.00

15,795

Approximation of Periodic Functions of the $W^{(r_1, r_2)}$
Classes by Fourier Sums, by Ju. L. Bessonov, $P, 0$ 5 pp

RUSSIAN, per, Dok Ak Nauk SSSR (Mathematic Section),
Vol CXLVII, No 3, 1962, pp 519-522.

Amer Math Soc
Sov Math - Dok
Vol III, No 6

Sci

Aug 63

343 035

Determination of Elasticity Constants by the Dynamic
Method, Using Short Test-Pieces, by K. A. Beasonov,
O. P. Stankevich, 3 pp.

RUSSIAN, per, Zavod Lab, Vol XXIV, No 4, 1958,
pp 480-481.

Instru Soc of Amer

Sci

Apr 60

113,311

The Calculation of Electrical Circuits Considering
Hysteresis, by L. A. Bessonov
RUSSIAN, per, Elektrichestvo, No 1, 1948, pp 46-51.
SDI Trans 23283 23282

L. A. Bessonov

aug 71

The Kinetics of the Growth of "Silver" Cracks in
Transparent Solid Polymers, by M. I. Bessonov,
E. V. Kuvshinskiy, 7 pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol. III, No 5,
1961, pp. 1314-1323.

AIP
Sov Phys - Solid State
Vol. III, No 5

Sci

Mar 62

189,090

Replies to the Questionnaire on Methods of Determining the Physicochemical Properties of Plastics, by E. V. Kravshinskiy, M. I. Bessonov, S. K. Zakharov, A. V. Sidorovich, et al, 20 pp.

RUSSIAN, per, Zavod Lab, Vol XXVI, No 1, 1960, pp 7-28.

ISA

Sci

141,910

Feb 61

61-13714

Bessonov, M. I. and Kuvshishnely, Ye. V.
 CERTAIN FEATURES OF THE DESTRUCTION OF
 ANNEALED POLYSTYRENE (O Nekotorykh
 Ozbrazheniyakh Razrusheniya Zakalennogo Polistirola).
 [1959] 7p. 6 refs. M. 2219.
 Order from LC or SLA mf\$1.80, ph\$1.80 61-13714

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR)
 1959, v. 1, no. 10, p. 1561-1565.

Experiments showed that annealed specimens of
 polystyrene fracture along large internal crevices.
 The material filling the crevice remains on the frac-
 ture surface, and can be removed as a film of a
 thin film. The properties are explained by the
 structure of the linear block polymer.

1. Styrene polymers--
 Decomposition
 I. Bessonov, M. I.
 II. Kuvshishnely, Ye. V.
 III. DSIR LLJ M. 2219

Determining the Creep of Hard Polymers, by M. I.
Bessonov, E. V. Kuvshinskiy, 4 pp.

RUSSIAN, per, Zavod Lab, Vol XXV, No 9, 1959, pp 1117-
1120.

Instru Soc of Amer

Sci
Aug 60

122,343

Rickets, by M. N. Bessonova.

RUSSIAN, bk.

Foreign Languages
Publishing House

May #64

NLL (copy)

(NY-3001/7) .

The Possibility of Heavy-Suspension Concentration
of Ores From the Nerchinsk Deposits, by S. V.
Bessonov, I. M. Kulikov, 7 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Tsvet Metal,
No 6, 1959, pp 47-51.

JPRS 2978

USSR

Econ - Technological

Aug 60

121,561

(NY-3001/5).

Cyanidation of Gold From Flotation Concentrates
at High Pressure, by S. B. Leonov, V. R. Khokhlov,
S. V. Bessonov, 5 pp.

RUSSIAN, per, Iz Vys ^Ucheb Zaved, Tsvetnaya Metallurgiy
No 3, May-Jun 1958, pp 94-~~96~~.

JPRS-2267

109,364

USSR
Econ - Technological
Mar 60

61-28159

Bessonov, S. V., Plaksin, I. N., and Tyurnikova, V. I.

THE EFFECTS OF DIFFERENT GASES ON THE FLOTABILITY OF COPPER PYRITES (Vliyanie Razlichnykh Gazov na Flotiruemost' Khal'kopirita). Sep 61 [10]p. 7 refs. RTS 1928. Order from OTS or SLA \$1. 10

61-28159

Trans. of A[kademiya] N[auk] SSSR. Ot[delenie] T[ekhnicheskikh] N[auk]. Izvestiya, 1955, no. 10, p. 127-130.

DESCRIPTORS: *Gases, *Pyrites, *Flotation, Copper compounds, Bubbles, Recovery. *Minerals, Sulfides, Water, Xanthic acids, Radioactive isotopes, Chemical reactions, *Reagents

The effects of argon, hydrogen and CO₂ on the floatability of copper pyrites using marked xanthate was (Chemistry--Physical, TT, v. 6, no. 11) (over)

- I. Bessonov, S. V.
- II. Plaksin, I. N.
- III. Tyurnikova, V. I.
- IV. RTS-1928
- V. Department of Scientific and Industrial Research (Gr. Brit.)

Office of Technical Services

On the Adhesion of Sulphide Minerals to Air
Bubbles in the Absence of Reagents, by I. E.
Flaksin, S. V. Bessonov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XCVII, No 3,
1954, pp 495-498.

NLL RTS 1934

Sci - Chem

193, 942

May 62

The Effects of Oxygen on the Flotation of Galena
and Chalcopyrite, by S. V. Bessonov, I. N.
Plaksin.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
Ser Vol I, 1954, pp 114-127.

ALL NTS 1933

Sci - Chem

204, 826

Jul 62

The adsorption and Reaction Properties of Oxygen
and the Surface Properties of Gold, Silver and
Copper, by I. N. Plaksin, S. V. Bessonov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LX, No 4,
1948, pp 637-639.

Res Info Sv R.561

Sci - Chemistry
Jan 1956/CTS No 77

30,536

53 Nassau St., New York 5, N.Y.

(NY-3000/11)

Questions Concerning the Full Utilization of Raw
Materials in the Metallurgical and Chemical Industry
of Kazakhstan, by K. Akhmetov, V. Bessonov, 10 pp.

RUSSIAN, per, Plan Khoz, No 1, 1960, pp 82-86.

JPRS 2913

USSR

Econ

Jul 60

120,004

Reducing the Distortion During Hardening
of Billets and Parts of Aluminum and Alloy
V95, by V. D. Beasonov, et al.

RUSSIAN, per, Metallov i Term Obrab
Metallov, No 5, 1960, pp 11-15.

HB 5394
*Acta Metallurgica

Sci - Min/Net
May 62

196,304

Investigation of Bending Stresses in the Wires of
Steel Ropes: Excerpt, by V. G. Bessonov, 10 p.

RUSSIAN, mono, Moscow, 1955, pp 177-187.

ATS 43L32R

S&I
Jan 60
Vol 2, No 8

105,533

Soviet Research in Geophysics. Investigation of the
Mechanism of Earthquakes, by E. N. Bessonova, et al.

RUSSIAN bk, Trudy of the Geophysical Inst of the
Academy of Sciences of the USSR No. 40, Vol IV,

CB

Sci

Oct 61

*Dept of Geology
GE 534 1353*

Le Diagnostic Clinique Des Formes Encéphaliques
De La Poliomyélite, by M. N. Bessonova, G. I.
Feller, 8pp
RUSSIAN, par, Sovetskaya Meditsina, Vol 25,
1961, No 8, pp 77-80
STC TT-64-26303

M. N. Bessonova

Sci - Biol
June 67

328,811

Heterocyclic Compounds. Synthetic Anesthetics.
Synthesis of Benzoic Esters of 1-n-Propyl-and
1-n-Butyl-2,5-Dimethyl-4-Ethyl-4-Piperidols, by
A. Sh. Sharifkanov, I. V. Bessonova, A. Asanbekova,
3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXX, No 9,
1960, pp 2909-2911.

CB

170,696

Sci

Sep 61

Experimental Contribution to the Study of Adaptive
Endocrinal Responses to Hyperhydration,
by A. Baisset, P. Beason, et al.
FRENCH, par, Pathologie et Biologie, Vol VIII,
1960, pp 1775-1793.
NASA TT F-9044

Sci-Biol & Met
Oct 64
U.S. GOVERNMENT ONLY

267,347

Applications of the Endocrine Effects of Hyper-
hydration in Man, by A. Baisset, P. Bessou, et al.
FRENCH, per, Toulouse-Medical, Vol LXI, 1960,
pp 437-443.
NASA TT F-9082

Sci-Biol & Med
Nov 64
U.S. GOVERNMENT ONLY
268,794

Apparatus for the Measurement of Vapor Pressures
Up To 20 kg/cm² and 500°C, by R. Bessouat,
H. Chevanel, 15 pp.

GERMAN, per, J. Phys., Vol XXIV, No 3, 39A-44A,
1963.

AEL-AI-tr-7

Sci- Phys
Jan 64

248,368

Agreement for the Measurement of Super Fluorescence in
the Laser and SRS, by R. G. H. Robertson, G. Choudhury, et al.
14 pp.
PHOTOCOPY, per. the Bureau of Technical Services, Arlington
Hall, VA, 22204, by SRS-22, 22/2/84

1984-11-17-1

Sci-Mech Div
Feb 84

200,000

(DC-2800/40)

Discussion on the Style of Work of the Chief of
Staff (PVO), by V. Besrebreennikov, 4 pp.

RUSSIAN, np, Krasnaya Zvezda, No 182, 4 Aug 1960,
p 2.

JPRS 6419

Degenerative and Regenerative Processes
Which Intervene in the Spinal Cord of
Rabbits Subsequent to Temporary Occlusion
of the Abdominal Aorta, by Dr Carlo Besta,
7 pp.

ITALIAN, per, Rivista Italiana di
Neuropatologia, Psichiatria ed Elettro-
terapia, Vol III, No 3, Mar 1910,
pp 164-166.

The Features of Development of Destructive
Fractures in Solid Polymers, M. I. Bessonov, E. V.
Kuvshinskiy, ~~ED~~ 3pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol III, No 2,
1961, pp, 607-610.

AIP
SOV Phys-Solid State
Vol III, No 2

166,063

Sci
Aug 61

Best.

THE LIMIT, OF RECOGNIZING DIFFERENCES OF POSITION (Über die Grenze der Erkennbarkeit von Lagenunterschieden). [1961] [11]p. 3 refs.
Order from SLA \$1.60 61-14678

Trans. of [Albrecht] v[on] Graefe's Arch[iv] f[ür] Ophthal[mologie] (Germany) 1900, v. 51, p. 453-460.

DESCRIPTORS: *Vision, *Visual perception, *Retina, *Visual thresholds, Eye, Positioning reactions, Space perception, *Proprioception.

(Unannounced)

61-14678

I. Best

1961

Office of Technical Services

The Capture of Small Absorbing Particles by the
Solar Radiation Field, by G. T. Best, T. N. L.
~~LEE~~ Patterson, 10 pp.

ENGLISH, rpt.

PP

Sci

Jan 62

Propeller With Adjustable Blades, by Emil Sohn,
Edgard Schumann, Carl Boatschorn, 4 pp.

GERMAN, Patent No 315061, Luftschraube mit
Einstellbaren Flügeln, 14 Nov 1919, 3 pp.

ATTC F-18-9341/V

Sci - eng

56,345

Dec 57

Glow Experiments with Selenium Photo cells,
by F. Bostenreiner,
Zentralblatt für Allgemeine
Physik, Vol 18, 1964, pp 323-9.
NTS-092818 F. Bostenreiner

331, 535

Sci - Physics
Jul 67

HIGHLY SKILLED WORK AND OUR ECONOMY, BY
MARK BERTER, 5 PP.

SEMI-CROATIAN, PER, YUGOSLAVIA MARIN ONI, NO 3,
15 FEB 1963, PP 31-32.

JPRS 19688

EDIN-YUGOSLAVIA
KINOSOC
MAY 63

289,960

**Construction of Chemical Facilities Determines the
Development Pace of the Chemical Industry, by Hans
Bartsch, 6 pp.
GIERMAN, par, Die Wirtschaft, No 42, 24 Nov 1963, p 22.**

JPRS 20231

**III-Germany
Econ
Feb 64**

248,536

H. BESTIAN

Olefin Reactions With the Titanium-Carbon Bond, by
H. Bestian.

GERMAN, per, Angew Chem., Vol 75, No 22, 1963,
pp 1068-1079.

ATS-GJ-1505

Apr 72

Separation and Chemical Identification of the
Constituents of Residuals and Bitumens, by M.
Bestougeff, 22 pp.

UNKNOWN, World Petroleum Congress, Vol VI,
1951, pp 116-130.

SLA 57-3548

Sci

Jul 59

92.373

Concerning the Analysis of Constituents of
Lubricating Oils, (Determination of the Chemical
Structure), by Michel Bestougeff, 12 pp,
UNCLASSIFIED

FRENCH, per, Chimie et Industrie, Vol XLVII/
XLVIII, pp 139-141, CIA D-168996

Navy Tr No 1121/BoShips 574

22,272

Scientific - Chemistry, Fuels Mar 55 CIB

Piezoelectric Device for Recording a Ballistocardiogram on an Electrocardiograph, by A. V. Bestugin, D. I. Ivanov, V. B. Malkin, and A. N. Frutskoy, 4 pp.

KOMMUN, DOK. Fiz Zhur SSSR imeni I. M. Sechenova, Vol XLVII, No 9, 1957, pp 906-908.

Pergamon Inst

Sci - Med
Nov 58

76,102

Receptors of Intracranial Vessels Supplying
Nuclei of the Thalamus Hypothalamus, and
Certain Cranial Nerves, by A. A. Bestugina,
5 pp.

RUSSIAN, per, Vest Ak Medit Nauk SSSR,
Vol XIX, No 11, 1964, pp 59-61.

JPRS 29171

Sci
Mar 65

278,560

Coming Out on the Assigned Route Track, by
V. Bestuzhev, 4 pp.

RUSSIAN, per, Vest Voz Flota, No 11, 1955,
pp 48-51, Encl to IR-1358, -56, AFOIS-1A1,
9 May 1956. CIA D 492272

AF 747102 37,399

Sci - Aeronautics, weather conditions

Aug 1956

Polarographic Study of Aminoacetonones, ⁶⁷
V. S. Buzuglyi, V. N. Daitryeva, V. V. Dorofeyev,
8 pp.

RUSSIAN, per, Zhur Oshch Khim, Vol XXVIII, No 2,
1978, pp 308-316.

Consultants Bureau

Sci - Chem

Apr 79

85,654

Rocket Investigation of the Atmosphere, by P. O.
Alekseyev, E. A. Besyudovskiy, G. I. Golyshev,
M. N. Isakov, A. M. Kasatkin, G. A. Kokin, N. S.
Livenits, N. D. Masanova, E. G. Shvidkovskiy, 19 pp.

RUSSIAN, per, Net 1 Gid, No 8, 1957, pp 3-13.

AEC SCL T-189

Sci - Spac Res

Sep 58

73, 952

The Role of Hepatitis in the Development of Cirrhosis,
by J. Baló, I. Besznyak, G. Kendrey, 8 pp.

HUNGARIAN, per, Orvosi Hetilap, Vol XLVII, Nov 24,
1957, pp 1290-1293.

NIH Tr 5-36

Sci - Med
May 58

64,298

Hardness of Steels and Hard Alloys at Elevated
Temperatures, by A.I. Betaneli.

RUSSIAN, bk, Tverdost' Staley i Tverdykh Splavov
Pri Povyshennykh Temperaturakh, 1958.

ATIC MCL 648/V

Sci - Min/Met
Jun 61

155,524

Hardness of Steel as Function of Temperature,
by A. I. Betaneli.

RUSSIAN, per, Fiz Metal i Metallov, Vol III,
No 3, 1956, pp 540-546.

HB 4234

Sci - Min/Met

Sep 60

127,040

Nonlinear Theory of a Hot-Wire Anemometer by R. Betshop.

plu
DUTCH, Proc. Lab. Aero-en Hydro. Techn. Hogesch. Delft,
Vol LII, No 3, 1949, pp 195-207.

NACA 1346

Scientific - Aeronautics

14,021

Some Experiences Regarding the Nonlinearity of Hot
Wires, by R. Batchov, W. Welling, 13 pp.

Full translation.

DUTCH, per, Koninklijke Nederlandsche Akademie van
Wetenschappen te Amsterdam, Verhandelingen, Vol LIII,
No 4, 1950, pp 432-439.

RACA TM 1223

WB - Netherlands

Scientific - Electricity, Nonlinearity of Hot wires

Aeronautics

Oct 52 CTS/DEK

A-757

A Course of Mineralogy, by A. Betekhtin.
RUSSIAN, bk, 642 pp.
Peace Publishers, Moscow
U.S.S.R.

A. Betekhtin

Sci-E Sci
Jul 66

304,440

(DC-4813)

The Riches of Nature Are the Riches of the People,
by A. Betekhtin, P. Vilyunov, 6 pp.

RUSSIAN, np, Izvestiya, No 255 (13491), 26 Oct 1960,
p 1.

JPRS 6469

Sci - Min/Metals

Jan 61

137,437

SLA: 61-21215

Review only:

Textbook of Special Mineralogy, by ^{A. G.}Betehtin, 9 pp.

GERMAN, review of Russian textbook, Berlin, 1957.

AF 1265924

Aug 59

Fundamental Problems in the Magnetic Origin of
Ore Deposits, by A. G. Betekhtin,

RUSSIAN, bk,

*NSF Grants to
Geochemical Society

5 Jun 1961

T of C and Review of
Gas Dynamic Principles of Interior Ballistics,
by S. A. Betekhtin, 10 pp.

RUSSIAN, bk, Gazodinamicheskiye Osnovy
Vnutrenney Ballistiki, Moscow, 1957, 384 pp.

B-238
Head, Lib Sv Sec
Air Info Div
Lib Congress

Study of the Disorientation of Mosaic Blocks by
Measurement of Small-Angle X-Ray Scattering, by
V. I. Betekhtin, A. I. Slutsker, 5 pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol IV, No 1,
1962, pp 132-139.

AIP
Sov Phys - Solid State
Vol IV, No 1

210,496

Sci

Aug 62

Block Tilts and the Strength of Metals, by
S. N. Zhurkov, V. I. Betekhtin, 6 pp.

RUSSIAN, per, Fiz Tverdogo Tela, Vol V, No 5,
1963, pp 1326-1334.

Sci -
Nov 63

~~CS~~
fimer INST of Phys
Sov Phys-solid state
Vol V, No 5

241,744

Internal Asymmetry in Complex Compounds IV. Molecular
Orbital Method in Strong Fields, by I. B. Bersuker,
5 pp.

RUSSIAN, per, Zhur Strukturnoy Khimii, Vol III, No 5,
1962, pp 563-568.

CB

241,735

Sci -

The Influence of Impurities on the Temperature-
Time Dependence of the Strength of Metals, by
V. I. Estekhtin, S. N. Zhurkov, A. V. Savitskiy,
8 pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol X, No 3,
1960, pp 452-461.

PP

165,813

Sci
Sep 61

Durability and Creep in Single Crystals of
Germanium and Silicon, by V. I. Betekhtin,
A. N. Bakhtibayev.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 188, No 4,
1969, pp 799-802.
American Institute of Physics
Vol 14, No 10, 1970

May 70

V. I. Betekhtin

Some Features of the Geologic History of
Tataria in Early Carboniferous Malinovsk,
~~Stalinogorsk~~ Stalinogorsk, and Tula Times,
by N. P. Betelev, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geolog,
No 1, 1961.

AGI

Sci

Jul 62

203,028

Identification of Boehmite in the Biscuit Kaolinite
Clays of the Stalinogorsk (Lower Carboniferous)
Horizon of Tatarsiya, by N. P. Betelev, 4pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXIII, No 4,
1960, pp 928-930.

AGI

Sci

Aug 61

163, 830

Electrophysiological Study of the Hippo-
campus and Its Reaction to Afferent Stimulations,
by T. G. Beteleva, L. A. Novikova, 11 pp.

RUSSIAN, per, Fiziol Zhur SSSR imeni I. M.
Sechenova, Vol XLVI, No 1, 1960, pp 41-49.

Pergamon Press

Sci

Aug 60

126,650

Electrical Activity in Various Cortical Regions
and in the Reticular Formation After Elimination
of the Olfactory Analyser, by T. G. Beteleva,
L. A. Novikova, 9 pp.

RUSSIAN, per, Zhur Vysshey Nerv Deyatel imeni
I. P. Pavlova, Vol XI, No 3, 1961, pp 527-535.

PP

Sci

198,963

Jun 62

Feeding of Commercial Whales of the Kuriles, by
Ye. I. Betesheva, 13 pp.
RUSSIAN, per, Trudy Soveshchaniy Ikhtologicheskoy
Komissii Akademiy Nauk SSSR, Vol 12, 1961, pp 104-111.
Dept of Navy N00 Trans 516

Ye. I. Betesheva

July 71

Density Spectrum of Penetrating Components of
Extensive Air Showers, by B. Betev. 112
RUSSIAN, per, Izvestiya Akademii Nauk SSSR,
Seriya Fizicheskaya, Vol 33, No 9, pp 1529-1531
NASA TT F 13,062

B. Betev

sci/physics
May 70

Trigger Feed of a Pair of Geiger-Muller Counters,
by L. Mitrani, B. Bstev.

RUSSIAN, Rpt, Conference on Nuclear Electronics,
Belgrade, Vol II, May 15-20, 1961, pp 379-84(1962).
9203401

AEC/Tr 5509

Sci - Electronics

Mar 63

824600

ELECTRON THEORY OF METALS, BY A. SOMMERFELD,
H. BETHE, 25 PP.

GERMAN, PER, HANDBUCH DER PHYSIK, VOL XLIV,
NO 2 OR PART 2, 1933, PP 598-622.

ACSI 1-1235
IS 2196101

SCI-ELECTRON, PWTS

13 AUG 68

206,863

122
On the Theory of the Zeeman Effect in the Salts
of the Rare Earths, by H. Bethe, 18 pp.
GUSTAV, per, Zeit Phys, Vol 60, 1930, pp 218-
233.

AEC Acce Tr 1041

H. Bethe

387,912

Sci - Earth Sciences
Jun 67 *Phys*

Electronic Theory of Metals, II. Electrons in
the Periodic Potential Field, by A. Sommerfeld,
Z. Physik, 195 p.

OPPEMAN, mono, Handbuch der Physik, 2. ed,
Vol. XXXIV, pt 2: Aufbau der Zusammenhängenden
Materie, Berlin, 1933, pp 499-579.

SLA 59-10007

Sci
Jan 60
Vol 2, No 5

104,610

Electron Theory of Metals. II. Electrons in the
Periodic Potential Field, by A. Sommerfeld, H. Bethe.
144 pp. ENCLASIFIED
Full translation.

GERMANY, ^{P¹¹} Lehrbuch der Physik, Vol XXIV, Pt. 2, 1953,
pp 499-579.

AEC Tr 2055

Scientific - Physics

Aug 53 CES

4818

Term Splitting in Crystals, by H. Bethe, 77 pp.
UNCLASSIFIED

GERMAN, per, Ann Physik, Vol III, No ⁵ 8, 1929,
pp 133-208.

Consultants Bureau
Catalog No 3, p 15
\$3.00

AEC Tr 1960

57-218
3715

Splitting of Terms in Crystals, by Hans A. Bethe

:
GERMAN, 1929.

Consultants Bureau

\$3.00

Sci - Phys

80,639

Theory of the Passage of Fast Corpuscular Rays
Through Matter, by H. Bethe, 68 pp.

GERMAN, per, Annalen der Physik, Vol V, 1930,
pp 325-400..

Sci - Geophysics

Jan 60

Amer Meteorol Soc
AF Cambridge Res Center

*Trans No 8
University of Melbourne*

106,239

Theory of the Passage of Fast Corpuscular Rays
Through Matter, by H. Bethe, 68 pp.

GERMAN, per, *Series 5, No 3,* Annalen der Physik, Vol V, 1930,
pp 325-400. *9695566*

Amer Meteorol Soc
~~AF Cambridge Res Center~~

T-G-142

Sci - Geophysics

Jan 60

106,239

The Application of a Counterpoise to Radio-
telegraph Land Stations, by J. Bethenod, 10
PP.

FRENCH, per, L'Onde Elec, Vol XC, Feb 1922, .

SLA Tr 57-2097

Sci - Elec Engr

Jul 58

67,863

Study of Reproduction of Line Signals on
Board Locomotives, by J. Bethenod, 12 pp.

FRENCH, per, ¹⁴⁰Radioelec, Nov 1980, p
292.

SLA Tr 57-2098

Sci - Elec Engr

Jul 58

67,864

On the Use of Audions as Self-Excited Generators, by
J. Bethenod, 10 pp.

FRENCH, per, Lumiere Elec, Vol XXXV, No 51, 16 Dec
1916.

SLA 57-2034

Sci
May 58

63,284

~~4770~~
Surface Structures and Crystal Structure
Defects in Electron-Microscopic Image
Investigated by Means of NaCl Crystals,
by H. Bethge, Part I, 30 pp.
GERMAN, per. Physica Status Solidi,
Vol II, No 1, 1967, pp 1-27.
Dept of Navy Tr No 4770/NRL Tr No 1059

H. Bethge

Sci-Phys
Jun 66

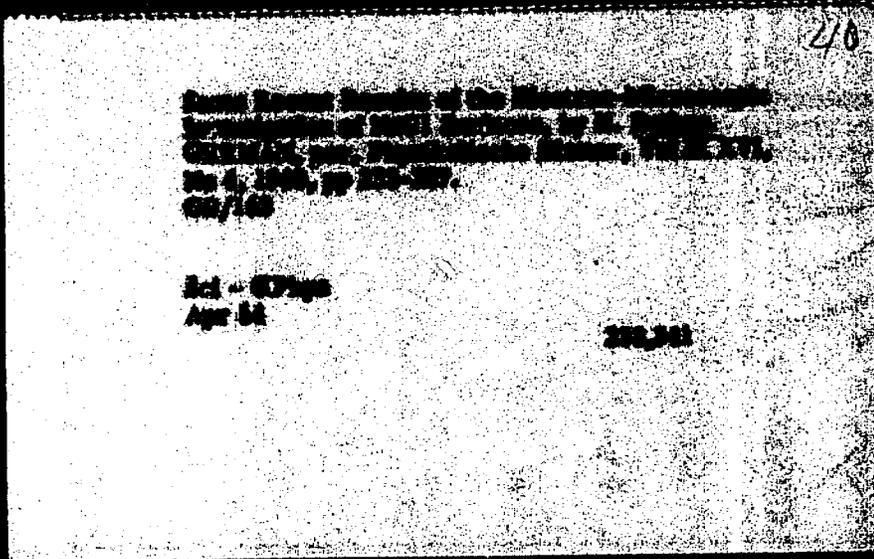
302,199

89
88

Surface Structures and Crystal Structure Defects
in Electron-Microscopic Image Investigated
by Means of NaCl Crystals, by H. Bethge.
Part II, 85 pp.
GERMAN, per, Physica Status Solidi, Vol II,
No 7, 1962, pp 775-820.
Dept of Navy Tr 4738/ARL Tr No 1055

H. Bethge

Sci-Phys



On the Representation of Small-Angle Grain Boundaries
of Considerable Dislocation Density on the Surface
Plane of NaCl Crystals, by V. Schmidt, H. Bethge,

et al.

1964, pp. Electron Microscopy, 1964: Proceedings
of the Third European Regional Conference on Elec-
tron Microscopy, held in Prague in Aug. 26-Sept. 3,
1964, pp. 263-264.

Dept of Army

NAVY Tr No 4404/NSL 1946

H. Bethge.

227,486

NSL - 4/5

Mechanical Distortions Due to Electric Discharges,
by O. Bethge, 31 pp.

GERMAN, per, Ann Physik, Jun 1956.

SLA Tr 57-1415

Sci - Electricity

54, 510

Oct 57

63-16621

Bethmann, M. von, Lipp, G., and Nooy, H. van.
MOISTURE DETERMINATION IN TOBACCO. Lecture
Coresta Symposium, Aug 60, supplemented Oct 60.
[1963] 25p. 3 refs.
Order from SLA \$2.60

63-16621

I. Bethmann, M. von
II. Lipp, G.
III. Nooy, H. van
IV. Title: Coresta ...

Trans. of Beiträge zur Tabakforschung [sic] 1961, no. 1,
p. 19-29.

DESCRIPTORS: *Moisture, *Tobacco, Distillation,
Benzenes.

The methods which are presently customary for the
determination of tobacco moisture are compared. Re-
sults of investigations follow which were obtained by
means of the distillation method with the use of various
distilling agents. Distillation with benzene under stand-
ard conditions is proposed as a standard method of
moisture determination for calibration and laboratory
(Chemistry--Analytical, TT, v. 10, no. 6) (over)

A847772

Office of Technical Services

(NY-3000)

Make More Machines for the Kolkhozes, by S. Betl
& pp.

RUSSIAN, np, Sovetskaya Latvya, 22 Feb 1961,
p 3.

JPRS 9919

163,963

USSR

Econ

Aug 61

A Method of Instrumental Aerial Ice Observation:
of Continental Ice in the Sea, by V. V. Betin,
S. V. Zhadrinskiy, N. S. Uralov. UNCL

RUSSIAN, per, Met 1 Gid, No 5, 1959, pp 51-54.

Navy/HO 122

Sci - Geophys

154,973

Mar 61

Machines for the Northwest Zone, by S. Betin,
7 pp.

RUSSIAN, per, Traktory i Sel'khoz mashiny,
Vol XX, No 12, 1960, pp 20-24.

JPRS 8505

USSR
Econ
Jul 61

161,292

The Severity of Winters in Europe and the
State of the Ice-cover in the Baltic,
by V. V. Betin and Ju. V. Preobrazenskij.
RUSSIAN, source unknown, 1962, pp 16-71.
NLL 9022.551 1964 (183) (On Loan)

V.V. Betin

Aug 65

287,226

A Method of Instrumental Aerial Observations on Land
Ice in the Sea, by V.V. Betin, S.V. Zhadrinski,
N.S. Uralov.

RUSSIAN, per, Meteorologia i Gid, No 5, 1959, pp 51-54

Navy Tr #2805/EO 122

Sci - Engr
Jun 61

154,527

Fluctuations of Iciness in the Baltic Sea and the
Danish ~~Straits~~ Straits, by V. V. Betin, Yu. V.
Preobrazhenskiy, 28 pp.

RUSSIAN, per, Trudy Gosudarstvennogo Okeanograf.
Inst, No 37, 1959, pp 1-13. 9076559

Navy Tr 3251/NO 120, No 1

Sci - Geophys

217,520

Nov 62